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## **ABSTRACT OF THE DISCLOSURE**

A small oxygen enriching apparatus which can supply oxygenenriched gas at high flow rate without imparting unnatural sensation to a user, as well as a controller and recording medium therefore. In step 100, a judgment is made as to whether a flow rate set by use of a flow-rate setting unit 47 is equal to or less than a continuous base flow rate (2 liters/min). When the set flow rate is a low flow rate of not greater than 2 liters/min, breath-synchronized operation is not performed (continuous supply is to be performed), and therefore, in step 110, oxygen-enriched gas is supplied continuously at the set flow rate. When the set flow rate is a high flow rate of greater than 2 liters/min, breath-synchronized operation is to be performed (supply during the inhalation period only of each breathing cycle), and therefore, in step 120, oxygen-enriched gas is continuously supplied at the In step 140, in order to perform breathcontinuous base flow rate. synchronized operation, control for opening and closing an electromagnetic valve 45 is performed. That is, oxygen-enriched gas is supplied during the inhalation period only of each breathing cycle, and supply of oxygen-enriched gas is stopped during the exhalation period.